Amendment to the Claims:

The below listing of claims will replace all prior versions of the claims in the application:

Listing of Claims

1. (currently amended) A compound of the formula XI:

wherein

R¹ and R¹⁰ are independently selected from

an unsubstituted or substituted aromatic group, wherein the substituted aromatic group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

a substituted or unsubstituted aralkyl group, wherein the substituted aralkyl group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

an unsubstituted or substituted alkyl group, wherein the substituted alkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy; and

an unsubstituted or substituted cycloalkyl group, wherein the substituted cycloalkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy;

R³ is selected from halogen, hydroxy, amino, lower alkyl, lower alkoxy, lower alkenyl, and

lower alkynyl, wherein the lower alkyl, lower alkoxy, lower alkenyl and lower alkynyl may be unsubstituted or may be substituted with one or more of halogen, hydroxy, and lower alkoxy; or R³ is a group of the formula

 $Z-(CH_2)_a-Y_b-(CH_2)_c-Q_d-(CH_2)_e-$

wherein Y and Q are independently selected from an aromatic group, O, S, -CR=CR-,

each R is independently selected from H or lower alkyl,

Z is selected from H, -CO₂R, -OR, -SR, -NR₂, -NHCOH, and -NHC-CH₂OH.

a, c and e are independently selected from values from 0 to 10;

b and d are independently selected from 0 and 1, provided that when a=0 then b=0, and when c=0 then d=0;

or R³ may occupy two adjacent positions to form a fused aromatic ring; and n is selected from values between 0 and 4.

2. (currently amended) A The compound of claim 1, having the formula XII

$$R^{3} \xrightarrow{(R^{12})_{q}} (XII)$$

wherein

each R¹¹ is independently selected from halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

each R¹² is independently selected from halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

R³ is selected from halogen, hydroxy, amino, lower alkyl, lower alkoxy, lower alkenyl, and lower alkynyl, wherein the lower alkyl, lower alkoxy, lower alkenyl and lower alkynyl may be unsubstituted or may be substituted with one or more of halogen, hydroxy, and lower alkoxy; or R³ is a group of the formula

$$Z-(CH_2)_a-Y_b-(CH_2)_c-Q_d-(CH_2)_e-$$

wherein Y and Q are independently selected from an aromatic group, O, S, -CR=CR-,

each R is independently selected from H or lower alkyl,

Z is selected from H, -CO₂R, -OR, -SR, -NR₂, $\stackrel{O}{\overset{II}{\sim}}$, and $\stackrel{O}{\overset{II}{\sim}}$, and $\stackrel{O}{\overset{II}{\sim}}$;

a, c and e are independently selected from values from 0 to 10;

b and d are independently selected from 0 and 1, provided that when a=0 then b=0, and when c=0 then d=0;

or R³ may occupy two adjacent positions to form a fused aromatic ring;

n is selected from values between 0 and 4;

p is selected from values between 0 and 5; and

q is selected from values between 0 and 5.

3. (original) The compound of claim 2, having the formula XIIa:

wherein

each R¹¹ is independently selected from halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

each R¹² is independently selected from halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

p is selected from values between 0 and 5; and q is selected from values between 0 and 5.

4. (original) The compound of claim 3, having the formula

5. (original) The compound of claim 3, having the formula

6. (original) The compound of claim 3, having the formula

7. (original) The compound of claim 3, having the formula

8. (original) A method of treating HCV infection in a human comprising administering a therapeutically effective amount of a compound of Formula I

$$R^{1}$$
 S R^{5} O O O O

wherein

R¹ is selected from

an unsubstituted or substituted aromatic group, wherein the substituted aromatic group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

a substituted or unsubstituted aralkyl group, wherein the substituted aralkyl group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

an unsubstituted or substituted alkyl group, wherein the substituted alkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy; and

an unsubstituted or substituted cycloalkyl group, wherein the substituted cycloalkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy;

R³ is selected from halogen, hydroxy, amino, lower alkyl, lower alkoxy, lower alkenyl, and

lower alkynyl, wherein the lower alkyl, lower alkoxy, lower alkenyl and lower alkynyl may be unsubstituted or may be substituted with one or more of halogen, hydroxy, and lower alkoxy; or R³ is a group of the formula

 $Z-(CH_2)_a-Y_b-(CH_2)_c-Q_d-(CH_2)_e-$

wherein Y and Q are independently selected from an aromatic group, O, S, -CR=CR-,

each R is independently selected from H or lower alkyl,

Z is selected from H, -CO₂R, -OR, -SR, -NR₂, O , and O , and O :

a, c and e are independently selected from values from 0 to 10;

b and d are independently selected from 0 and 1, provided that when a=0 then b=0, and when c=0 then d=0;

or R^3 may occupy two adjacent positions to form a fused aromatic ring, n is selected from values between 0 and 4;

R⁵ is selected from hydrogen, lower alkyl, lower alkenyl, lower alkynyl, lower aralkyl, aryl, thioalkyl, thioaryl, and thioaralkyl,

each of which may be unsubstituted or substituted with one or more substituents selected from halogen, lower alkyl, and lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide; or R⁵ may be a group of the formula

wherein

R² is selected from

an unsubstituted or substituted aromatic group, wherein the substituted aromatic group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

a substituted or unsubstituted aralkyl group, wherein the substituted aralkyl group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

an unsubstituted or substituted alkyl group, wherein the substituted alkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy; and

an unsubstituted or substituted cycloalkyl group, wherein the substituted cycloalkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy;

R⁴ is selected from halogen, hydroxy, amino, lower alkyl, lower alkoxy, lower alkenyl,

and lower alkynyl, wherein the lower alkyl, lower alkoxy, lower alkenyl and lower alkynyl may be unsubstituted or may be substituted with one or more of halogen, hydroxy, and lower alkoxy; or R⁴ is a group of the formula

$$Z-(CH_2)_a-Y_b-(CH_2)_c-Q_d-(CH_2)_e-$$

wherein Y and Q are independently selected from an aromatic group, O, S, -CR=CR-,

each R is independently selected from H or lower alkyl,

a, c and e are independently selected from values from 0 to 10;

b and d are independently selected from 0 and 1, provided that when a=0 then b=0, and when c=0 then d=0;

or R⁴ may occupy two adjacent positions to form a fused aromatic ring,

and, m is selected from values between 0 and 4,

in a pharmaceutically acceptable carrier.

9. (original) The method of claim 8, comprising administering a compound of the formula II,

$$R^{1}$$
 S $S^{R^{2}}$ R^{4} R^{4} R^{4} R^{4}

wherein

R¹ and R² are independently selected from

an unsubstituted or substituted aromatic group, wherein the substituted aromatic group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

a substituted or unsubstituted aralkyl group, wherein the substituted aralkyl group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

an unsubstituted or substituted alkyl group, wherein the substituted alkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy; and

an unsubstituted or substituted cycloalkyl group, wherein the substituted cycloalkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy; and each R³ and R⁴ is independently selected from halogen, hydroxy, amino, lower alkyl, lower

alkoxy, lower alkenyl, and lower alkynyl, wherein the lower alkyl, lower alkoxy, lower alkenyl and lower alkynyl may be unsubstituted or may be substituted with one or more of halogen, hydroxy, and lower alkoxy; or is a group of the formula

$$Z-(CH_2)_a-Y_b-(CH_2)_c-Q_d-(CH_2)_e-$$

wherein Y and Q are independently selected from an aromatic group, O, S, -CR=CR-,

each R is independently selected from H or lower alkyl,

Z is selected from H, -CO₂R, -OR, -SR, -NR₂, $^{O}_{-NHCOH}^{O}$, and $^{O}_{-NHC-CH_2OH}^{O}$;

a, c and e are independently selected from values from 0 to 10;

b and d are independently selected from 0 and 1, provided that when a=0 then b=0, and when c=0 then d=0;

or R^3 or R^4 may occupy two adjacent positions to form a fused aromatic ring, and n and m are independently selected from values between 0 and 4.

10. (original) The method of claim 8, comprising administering a compound of the Formula III

wherein R^1 , R^3 and n are as described for the compound of Formula I.

11. (original) The method of claim 10, wherein

R¹ is selected from an unsubstituted or substituted aromatic group, wherein the substituted aromatic group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide.

- 12. (original) The method of claim 11, wherein the unsubstituted or substituted aromatic group is an unsubstituted or substituted phenyl group.
- 13 (original) The method of claim 12, comprising administering a compound having the formula

14. (original) The method of claim 12, comprising administering a compound having the formula

- 15. (original) A method of treating HCV infection in a human comprising administering a therapeutically effective amount of a compound according to claim 1.
- 16. (original) A method of treating HCV infection in a human comprising administering a therapeutically effective amount of a compound according to claim 2.
- 17. (original) The method of claim 16, comprising administering a compound having the formula

18. (original) The method of claim 16, comprising administering a compound having the formula

19. (original) The method of claim 16, comprising administering a compound having the formula

20. (original) A pharmaceutical composition for the treatment of HCV infection comprising a therapeutically effective amount of a compound of Formula I

$$R^3$$
 R^5 R^5 R^5 R^5

wherein

R¹ is selected from

an unsubstituted or substituted aromatic group, wherein the substituted aromatic group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

a substituted or unsubstituted aralkyl group, wherein the substituted aralkyl group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

an unsubstituted or substituted alkyl group, wherein the substituted alkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy; and

an unsubstituted or substituted cycloalkyl group, wherein the substituted cycloalkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy;

R³ is selected from halogen, hydroxy, amino, lower alkyl, lower alkoxy, lower alkenyl, and

lower alkynyl, wherein the lower alkyl, lower alkoxy, lower alkenyl and lower alkynyl may be unsubstituted or may be substituted with one or more of halogen, hydroxy, and lower alkoxy; or R³ is a group of the formula

$$Z-(CH_2)_a-Y_b-(CH_2)_c-Q_d-(CH_2)_e-$$

wherein Y and Q are independently selected from an aromatic group, O, S, -CR=CR-,

O O R O R R -C-

$$-C \equiv C - , -C - , -C - O - , -N - C - , -N - -C H - , and R ;$$

each R is independently selected from H or lower alkyl.

each R is independently selected from H or lower alkyl,

Z is selected from H, -CO₂R, -OR, -SR, -NR₂, $^{-NHCOH}$, and $^{-NHC-CH_2OH}$:

a, c and e are independently selected from values from 0 to 10;

b and d are independently selected from 0 and 1, provided that when a=0 then b=0, and when c=0 then d=0;

or R³ may occupy two adjacent positions to form a fused aromatic ring, n is selected from values between 0 and 4;

R⁵ is selected from hydrogen, lower alkyl, lower alkenyl, lower alkynyl, lower aralkyl, aryl, thioalkyl, thioaryl, and thioaralkyl,

each of which may be unsubstituted or substituted with one or more substituents selected from halogen, lower alkyl, and lower alkoxy, thio-lower alkyl, C1-C8 acyl, lower alkyl ester, amide, and lower alkyl amide; or R⁵ may be a group of the formula

wherein

R² is selected from

an unsubstituted or substituted aromatic group, wherein the substituted aromatic group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

a substituted or unsubstituted aralkyl group, wherein the substituted aralkyl group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

an unsubstituted or substituted alkyl group, wherein the substituted alkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy; and

an unsubstituted or substituted cycloalkyl group, wherein the substituted cycloalkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy;

R⁴ is selected from halogen, hydroxy, amino, lower alkyl, lower alkoxy, lower alkenyl,

and lower alkynyl, wherein the lower alkyl, lower alkoxy, lower alkenyl and lower alkynyl may be unsubstituted or may be substituted with one or more of halogen, hydroxy, and lower alkoxy; or R⁴ is a group of the formula

$$Z-(CH_2)_a-Y_b-(CH_2)_c-Q_d-(CH_2)_e-$$

wherein Y and Q are independently selected from an aromatic group, O, S, -CR=CR-,

each R is independently selected from H or lower alkyl,

Z is selected from H, -CO₂R, -OR, -SR, -NR₂,
$$\stackrel{O}{=}$$
 NHCOH, and $\stackrel{O}{=}$ NHC-CH₂OH;

a, c and e are independently selected from values from 0 to 10;

b and d are independently selected from 0 and 1, provided that when a=0 then b=0, and when c=0 then d=0;

or R⁴ may occupy two adjacent positions to form a fused aromatic ring,

and, m is selected from values between 0 and 4,

in a pharmaceutically acceptable carrier.

21. (original) The pharmaceutical composition of claim 20, comprising a compound of the formula II,

$$R^{1}$$
 S S R^{2} R^{4} R^{4} R^{4} R^{4} R^{4} R^{4}

wherein

R¹ and R² are independently selected from

an unsubstituted or substituted aromatic group, wherein the substituted aromatic group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

a substituted or unsubstituted aralkyl group, wherein the substituted aralkyl group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide;

an unsubstituted or substituted alkyl group, wherein the substituted alkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy; and

an unsubstituted or substituted cycloalkyl group, wherein the substituted cycloalkyl group may be substituted with one or more halogen, hydroxy, and lower alkoxy; and each R³ and R⁴ is independently selected from halogen, hydroxy, amino, lower alkyl, lower

alkoxy, lower alkenyl, and lower alkynyl, wherein the lower alkyl, lower alkoxy, lower alkenyl and lower alkynyl may be unsubstituted or may be substituted with one or more of halogen, hydroxy, and lower alkoxy; or is a group of the formula

$$Z-(CH_2)_a-Y_b-(CH_2)_c-Q_d-(CH_2)_e-$$

wherein Y and Q are independently selected from an aromatic group, O, S, -CR=CR-,

O O R O R R
$$-C-$$

 $-C=C-$, $-C-$, $-C-$, $-N-$, $-N-$, and R; each R is independently selected from H or lower alkyl.

each R is independently selected from H or lower alkyl,

Z is selected from H, -CO₂R, -OR, -SR, -NR₂, -NHCOH, and -NHC-CH₂OH: a, c and e are independently selected from values from 0 to 10;

b and d are independently selected from 0 and 1, provided that when a=0 then b=0, and when c=0 then d=0;

or R^3 or R^4 may occupy two adjacent positions to form a fused aromatic ring, and n and m are independently selected from values between 0 and 4.

22. (original) The pharmaceutical composition of claim 20, comprising a compound of the Formula III

wherein R^1 , R^3 and n are as described for the compound of Formula I.

23. (original) The pharmaceutical composition of claim 22, wherein

R¹ is selected from an unsubstituted or substituted aromatic group, wherein the substituted aromatic group may be substituted with one or more of halogen, hydroxy, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, thio-lower alkyl, C₁-C₈ acyl, lower alkyl ester, amide, and lower alkyl amide.

- 24. (original) The pharmaceutical composition of claim 23, wherein the unsubstituted or substituted aromatic group is an unsubstituted or substituted phenyl group.
- 25. (original) The pharmaceutical composition of claim 23, comprising a compound having the formula

26. (original) The pharmaceutical composition of claim 23, comprising a compound having the formula

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- 27. (original) A pharmaceutical composition for the treatment of HCV infection comprising a therapeutically effective amount of a compound according to claim 1 in a pharmaceutically acceptable carrier.
- 28. (original) A pharmaceutical composition for the treatment of HCV infection comprising a therapeutically effective amount of a compound according to claim 2 in a pharmaceutically acceptable carrier.
- 29. (original) The pharmaceutical composition of claim 28, comprising a compound having the formula

30. (original) The pharmaceutical composition of claim 28, comprising a compound having the formula

31. (original) The pharmaceutical composition of claim 28, comprising a compound having the formula